



# The Transmission Ranking Cost Report

California Energy Commission 2006-2007 Integrated Energy Policy  
Report Committee

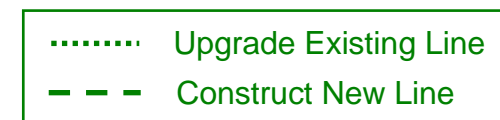
Mid-Course Review of the Renewables Portfolio Standard Process  
(2nd workshop)

August 22, 2006

# Potential PG&E Transmission Upgrades for Renewable Generation



- Projects Included in the 2005 Grid Expansion Plan
  - Cottonwood – Vaca Dixon 230 kV Capacity Increase
  - Vaca Dixon-Contra Costa 230 kV Reinforcement
- Projects Under Investigation
  - Table Mountain - Vaca-Dixon 230 kV Reinforcement
  - Vaca Dixon – Sobrante – Moraga 230 kV Reinforcement
  - Midway – Gregg 500 kV Line



# Transmission Cost Responsibility

## Generator Cost Responsibility - Include in bid price

- Direct Assignment Facilities (Gen-tie)
  - If desired, PG&E will evaluate potential for sharing
- Wheeling Charges in non-PTO systems

## Customers' Cost Responsibility

- All Network Upgrades, including
- Transmission Adders at Clusters (attributed to bids):
  - CAISO Interconnection Process (SIS/FS); or
  - Transmission Ranking Cost Report (TRCR)

# Background on the TRCR

- TRCR provides a means to ensure transmission costs are accounted for when considering bids.
- The TRCR methodology estimates the actual transmission costs by using the same FERC rules that must be followed in the CAISO interconnection process and using the most up-to-date system and queue information available.
- The TRCR provides RPS bidders valuable siting information at no cost prior to entering the CAISO interconnection process, where project-specific cost estimates are provided at the developers' expense.
- Provides pre-bid information for the bidders to structure their bid to maximize their chance of winning.

# Background on the TRCR

The TRCR does **NOT**:

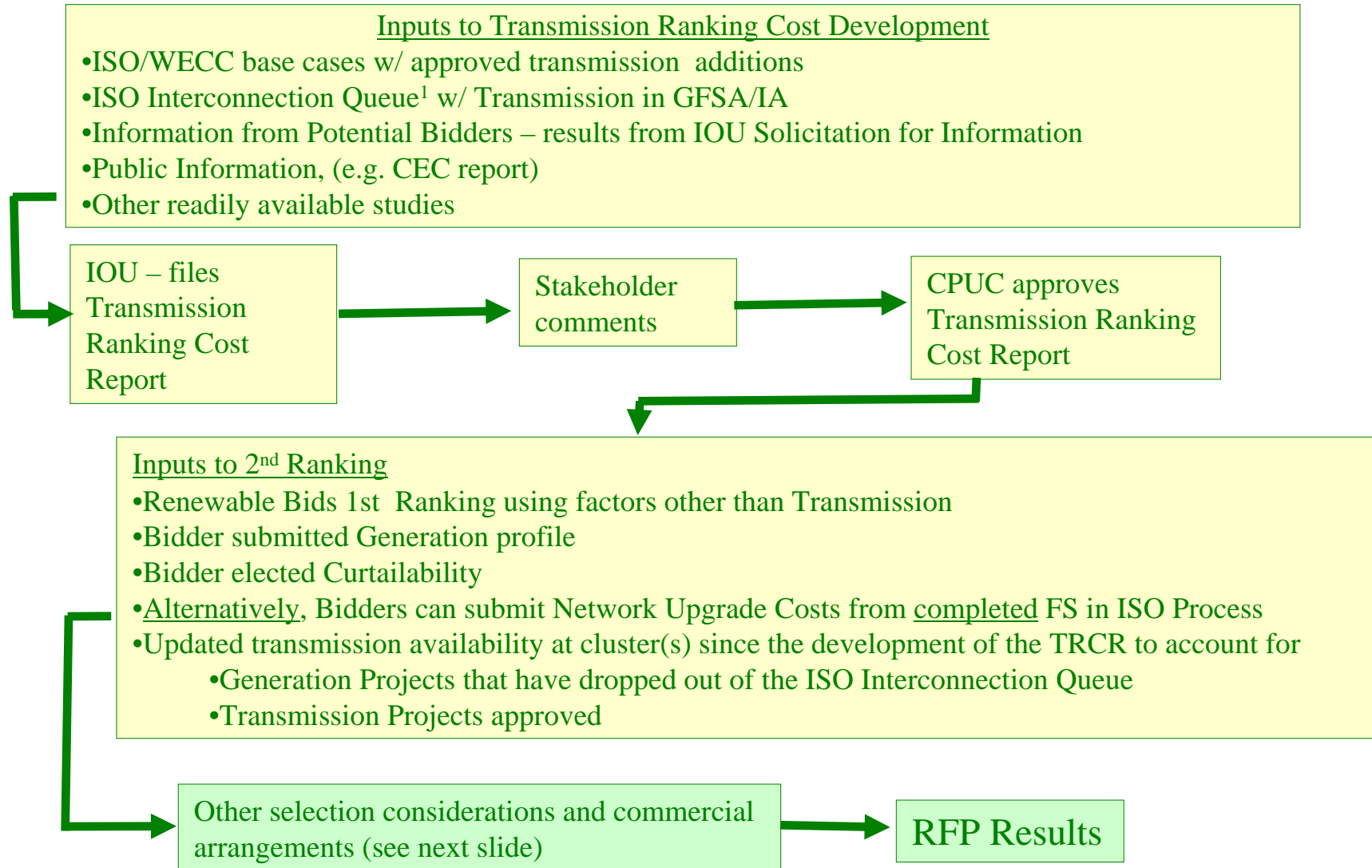
- Prevent a utility from procuring any particular resource type or technology;
- Advantage non-renewable generators over renewable generators, as it only compares renewables to renewables;
- Determine or affect who pays for transmission necessary to interconnect new renewable resources;
- Replace the ISO Interconnection Process.

# Transmission Adder Use in Bid Evaluation

Use the lesser of :

1. Transmission Ranking Cost Report
2. Alternative Commercial Arrangements
  - Remarketing
  - Swaps
  - As-available transmission

# Application of Transmission Ranking Cost



<sup>1</sup> Consists of Projects in the IOU's Generation Interconnection Queue, which predates the ISO Interconnection Queue; and Projects in the ISO Interconnection Queue that have paid for the completion of the associated SIS and FS.

# Renewable Resource Clusters

- Clusters are for bid evaluation purposes only.
- Clusters do not have to be Points of Interconnection.

